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CPM1A
Central Processing Unit

CPM1A Series

This micro PLC range offers exceptional functionality in a small package. CPU's are available in modules with 10 to 40 I/O points. The 30 and 40 I/O modules can be combined with up to 3 digital or analogue expansion units to increase the system I/O to 100 points.

- Flash memory – no need for batteries
- Interrupt processing
- 2 analogue trim pots
- Individual input filters
- High speed counters
- Large instruction set – including full arithmetic
- 2k step program memory
- 1000 data registers
- 128 timers/counters
- 2kHz Pulse output function

Specification

Supply Voltage	100-240VAC; 24VDC.
Inputs	24VDC, 5mA, opto isolated, NPN/PNP configurable
Relay outputs	Volt free, 2A, 250VAC; 2A, 24VDC.
PNP outputs	24VDC 0.3A/point

CPU's

No. of I/O points	Power supply	Output method	Input Points	Output Points	Part No.	Price Each
10	AC	Relay	6	4	CPM1A 10CDR A	£102.00
		Relay	6	4	CPM1A 10CDR D	£102.00
		Transistor	6	4	CPM1A 10CDT1 D	£102.00
20	AC	Relay	12	8	CPM1A 20CDR A	£174.00
		Relay	12	8	CPM1A 20CDR D	£174.00
		Transistor	12	8	CPM1A 20CDT1 D	£174.00
30	AC	Relay	18	12	CPM1A 30CDR A	£235.00
		Relay	18	12	CPM1A 30CDR D	£235.00
		Transistor	18	12	CPM1A 30CDT1 D	£235.00
40	AC	Relay	24	16	CPM1A 40CDR A	£304.00
		Relay	24	16	CPM1A 40CDR D	£304.00
		Transistor	24	16	CPM1A 40CDT1 D	£304.00

Expansion Units

Up to 3 expansion units may be added to the main 30/40 I/O CPU unit.

Specifications:

Analogue I/O unit	- Inputs	4 - 20mA; 1 - 5 V; 0 - 10V,
	- Outputs	4 - 20mA; 0 - 10 V; -10 - +10V; 8 bit resolution.

Expansion Units

No. of I/O points	Output method	Input Points	Output Points	Part No.	Price Each
8	Relay	-	8	CPM1A 8ER	£70.00
	Transistor	-	8	CPM1A 8ET1	£70.00
20	Relay	12	8	CPM1A 20EDR1	£175.00
	Transistor	12	8	CPM1A 20EDT1	£175.00
3 channel analogue input/output		2	1	CPM1A MAD01	£177.00
CompoBus/S I/O Link Unit		8	8	CPM1A SRT21	£115.00

A choice of RS232 and RS422 DIN rail mounting adaptors are available for programming via PC using Omron's Syswin programming software. Connection can be made from a PC to the RS232/RS422 adaptor using the 2m RS232 cable listed below. Alternatively an adaptor with built in cable is available.

Accessories

Description	Part No.	Price Each
Programming Console with 2m cable	CQM1 PRO01E	£217.00
- RS232	CPM1 C1F01	£62.00
Adaptor - RS422	CPM1 C1F11	£131.00
- 3.3m cable to connect IBM PC/AT or compatible personal computers	CQM1 C1F02	£190.00
Link Adaptor	3G2A9 AL004 E	£416.00



CPM1A-MAD01
Expansion Unit

OMRON



CPM2A Series

The advanced 'CPM2A' series builds on the CPM1A giving access to new applications. Available in 20, 30, 40 & 60 I/O main units, the CPM2A is expandable up to 120 I/O. With double the memory of the CPM1A the CPM2A has all the features expected of a mini or mid sized PLC. Simultaneous connection to any Omron HMI can be achieved using the additional RS232 port.

- Built in real time clock/calendar
- Extra RS232 comms. port
- 4k word program capacity
- Removable terminal strips
- Battery backed RAM
- 20kHz High speed counter
- 2 x 10kHz pulse outputs
- 120 I/O max
- Advanced programming instruction PID/PWM/ACCEL/DECEL/RAMP
- Synchronised position control
- Up to 3 expansion units can be fitted
- 4k user memory, 2k data memory
- Programmed using either the handheld console CQM1-PRO01-E (216-4645). Alternatively PC based software (313-5676) can be used with cable CQM1-CIF02 (216-4651) or RS232 cable XW2Z-200A (365-2200)

Specification

Supply Voltage	100-240VAC; 24VDC
Inputs	24VDC, 5mA, opto isolated, NPN/PNP configurable
Relay outputs	Volt free, 2A 250VAC, 2A, 24VDC
PNP outputs	24VDC 0.3A/point

CPU's

No. of I/O points	Power supply	Output method	Input Points	Output Points	Part No.	Price Each
20	AC	Relay	12	8	CPM2A 20CDR A	£278.00
		Relay	12	8	CPM2A 20CDR D	£278.00
		Transistor	12	8	CPM2A 20CDT1 D	£278.00
30	AC	Relay	18	12	CPM2A 30CDR A	£352.00
		Relay	18	12	CPM2A 30CDR D	£352.00
		Transistor	18	12	CPM2A 30CDT1 D	£352.00
40	AC	Relay	24	16	CPM2A 40CDR A	£422.00
		Relay	24	16	CPM2A 40CDR D	£422.00
		Transistor	24	16	CPM2A 40CDT1 D	£422.00
60	AC	Relay	36	24	CPM2A 60CDR A	£505.00
		Relay	36	24	CPM2A 60CDR D	£505.00
		Transistor	36	24	CPM2A 60CDT1 D	£505.00

Expansion Units

A 20 I/O expansion unit with either analogue, relay or PNP outputs. The analogue unit has 2 voltage/current inputs and 1 voltage/current output which are software configurable to 4-20mA, 0-10V or -10 to +10V. Digital expansion units consist of 12 NPN/PNP inputs and either relay or PNP outputs.

Expansion Units

No. of I/O points	Output method	Input Points	Output Points	Part No.	Price Each
20	Relay	12	8	CPM1A 20ED R	£175.00
	Transistor	12	8	CPM1A 20EDT1	£175.00
3 channel analogue input/output		2	1	CPM1A MAD01	£177.00
CompoBus/S I/O Link Unit		8	8	CPM1A SRT21	£115.00

A choice of RS232 and RS422 DIN rail mounting adaptors are available for programming via PC using Omron's Syswin programming software. Connection can be made from a PC to the RS232/RS422 adaptor using the 2m RS232 cable listed below. Alternatively an adaptor with built in cable is available.

Accessories

Description	Part No.	Price Each
Programming Console with 2m cable	CQM1 PRO01E	£217.00
- RS232	CPM1 CIF01	£62.00
Adaptor - RS422	CPM1 CIF11	£131.00
- 3.3m cable to connect IBM PC/AT or compatible personal computers	CQM1 CIF02	£190.00
Link Adaptor	3G2A9 AL004 E	£416.00



CPM2C Series

The micro sized CPM2C PLC is an ideal choice for machine control applications where space is a premium yet require speed for processing data and flexibility for advanced applications.

- Built in real time clock/calendar option
- Ultra slim design – only 33mm wide
- Removable terminal strips for easy wiring
- Battery backed RAM
- 20kHz input counter
- 2 x 10kHz pulse output
- 140 I/O max
- Advanced instruction set
- Up to 5 expansion units can be fitted
- Uses the same software as the CPM1/CPM1A/CPM2A/SRM1
- Programmed either using the hand held console CQM1-PRO01 with cable CPM2C-CN111.
- Alternatively with PC based software with cable CQM1-CIF02 and cable CPM2C-CN111 or cable CS1W-CN226.

Specification

Supply voltage	24VDC
Inputs	24VDC, 5mA, opto isolated, NPN/PNP configurable
Relay outputs	Volt free, 2A, 250VAC; 2A, 24VDC
PNP outputs	24VDC, 0.3A/point

CPU's

No. of I/O points	Output method	Input Points	Output Points	Internal Clock	Part No.	Price Each
10	Relay	6	4	-	CPM2C 10CDR D	£155.00
		6	4	Yes	CPM2C 10C1DR D	£201.00
	Transistor	6	4	-	CPM2C 10CDT1C D	£155.00
		6	4	Yes	CPM2C 10C1DT1C D	£201.00
20	Transistor	12	8	-	CPM2C 20CDT1C D	£216.00
		12	8	Yes	CPM2C 20C1DT1C D	£263.00

Power Supply Unit

Description	Part No.	Price Each
AC Power Supply Unit; Input 100-240VAC; Output 24VDC/600mA	CPM2C PA201	£46.00

Expansion Units

These units enable the system to be enlarged up to 140 I/O by using up to 5 expansion units.

Note: Relay output unit has terminal block for connection, PNP units require a 24 pin connector, part number C500-CE241

Expansion Units

No. of I/O points	Output method	Input Points	Output Points	Part No.	Price Each
10	Relay	6	4	CPM2C 10EDR	£82.00
24	Transistor	16	8	CPM2C 24EDT1C	£124.00

Programming & I/O cables

Description	Part No.	Price Each
Cable to connect to a peripheral port and RS232C port. (0.1m)	CPM2C CN111	£46.00
Cable to connect to a peripheral port only. (0.05m)	CS1W CN114	£34.00
Cable to connect to a an RS232C port only. (0.1m)	CS1W CN118	£34.00
Cable to connect to PC (a D-sub 9 pin port)	CS1W CN226	£48.00
Cable to connect directly into CPM2C miniature comms. port from PC (9 pin RS232 port) (2m)	XW2Z 200A	£28.00
Interconnection cable for I/O block wiring. Wires to break out terminal unit XW2B-20G4 (2m)	XW2B 20G4	£22.00
Cable to connect transistor output module or expansion units to terminal block. (use with XW2Z-200A)	C500 CE241	£12.00

OMRON



SRM1 Distributed I/O

- Analogue I/O
- Interrupt controls.
- Machine control instruction set.
- Automatic connection to all I/O modules including position drivers.

SRM1 Master Unit

Description	Part No.	Price Each
CompoBus/S, 24VDC supply, 256 I/O Points	SRM1 C01 V2	£218.00
CompoBus/S, 24VDC supply, 256 I/O Points with RS-232C port	SRM1 C02 V2	£258.00

SRM1 Slave Units - Remote Terminals

I/O	No. of I/O points	Type	Price Part No.	Each
Inputs	4	NPN	SRT2 ID04	£59.00
		PNP	SRT2 ID04 1	£59.00
	8	NPN	SRT2 ID08	£65.00
		PNP	SRT2 ID08 1	£65.00
	16	NPN	SRT2 ID16	£89.00
		PNP	SRT2 ID16 1	£89.00
		NPN, Multi point common terminal	SRT2 MD16T	£143.00
		PNP, Multi point common terminal	SRT2 MD16T 1	£143.00
Outputs	4	NPN	SRT2 OD04	£59.00
		PNP	SRT2 OD04 1	£59.00
	8	NPN	SRT2 OD08	£65.00
		PNP	SRT2 OD08 1	£65.00
	16	NPN	SRT2 OD16	£89.00
		PNP	SRT2 OD16 1	£89.00
	8	Relay	SRT2 ROC08	£122.00
	16	Relay	SRT2 ROC16	£177.00

Analogue I/O terminals

Description	Part No.	Price Each
4 analogue inputs. (4 x 4-20mA/ 0/1-5V/-10-+10V)	SRT2 AD04	£254.00
2 analogue outputs. (2 x 4-20mA/ 1-5V/-10-+10V)	SRT2 DA02	£254.00

Sensor Terminal

Description	Part No.	Price Each
8 Inputs (Req. 4x XS8A connectors)	SRT1 ID08S	£98.00
4 Inputs + 4 Outputs (Req. 4x XS8A connectors)	SRT2 MD08S	£89.00

Remote Module

Description	Part No.	Price Each
16x 24VDC inputs NPN, PCB mounting	SRT1 ID16P	£82.00
16x transistor outputs NPN, 0.2A 24VDC PCB Mounting	SRT2 OD16P	£82.00

Sensor Amplifier Terminal

Description	Part No.	Price Each
Sensor Amplifier Terminal for use with E3X NMT6 (max. 4 unit)	SRT1 TID04S	£80.00
Sensor Optical Fibre Amplifier DC, 3-wire, NPN, for use with SRT1 TID04S	E3X NT 16	£82.00
Sensor Optical Fibre Amplifier, DC, 3-wire, NPN, multi-function, for use with SRT1 TID04S	E3X NT 26	£88.00
Sensor Amplifier Terminal for use with E3X NM16 (max. 4 unit)	SRT1 TKD04S	£84.00
Sensor Optical Fibre Amplifier, x 4, DC, NPN, multi-function, for use with SRT1 TKD04S	E3X NM16	£237.00
Sensor Amplifier Expansion terminal, for use with TID 04S unit and E3X NT6 (max. 4 unit)	SRT1 XID04S	£41.00
Sensor Amplifier Expansion terminal, for use with TKD 04S unit and E3X NM16 (max. 1 unit)	SRT1 XKD04S	£63.00

Accessories

Description	Part No.	Price Each
Connectors for SRT1 ID/ND08S sensor terminal Cable Size 0.3-0.5mm sq.	XS8A 0441	£2.00
Network Cable, flat 4-core 0.75mm sq. 100m reel	SCA1 4F10	£124.00
Network Branch connector, IDC	SCN1 TH4	£2.00
Network extension connector, IDC	SCN1 TH4E	£2.00
Network connector terminal, IDC	SCN1 TH4T	£3.00
Network terminal block, screw terminal	SRS1 T	£4.00



CQM1H

A compact modular PLC with up to 512 I/O points

- Analogue I/O
- Sensor Amplifier control
- Temperature Control
- Linear Sensor Interface
- B7A Interface
- 50 kHz pulse in and out
- Interrupt controls
- Absolute encoder inputs

CPUs

Description	Part No.	Price Each
16x 24VDC inputs, 3.2K word program, 3k word data memory, 256 I/O point	CQM1H CPU11	£280.00
16x 24VDC inputs, 3.2K word program, 3k word data memory, 256 I/O point, RS-232C port	CQM1H CPU21	£341.00
16x 24VDC inputs, 7.2K word program, 6k word data memory, 256 I/O point, RS-232C port	CQM1H CPU51	£398.00
16x 24VDC inputs, 15.2K word program, 12k word data memory, 512 I/O point, RS-232C port + 2 inner board slots	CQM1H CPU61	£590.00

CPU Inner Boards

Description	Part No.	Price Each
Encoder board, 2x absolute encoder interface, inner board equivalent to CQM1 CPU44 Right slot only	CQM1H CPU11	£377.00
Analogue setting board, 4x analogue setting potentiometers, inner board equivalent to CQM1 CPU42 one per CPU	CQM1H CPU21	£84.00
High-speed counter board, 4x pulse input ports, 50/500Khz single phase or 25/250Khz quadrature 4x transistor outputs 1mS operation, up to 2 per CPU	CQM1H CTB41	£252.00
Analogue I/O board, 4x 0-20mA A/D-5V/0-10V/-10-+10V outputs, inner board equivalent to CQM CPU45 Right slot only	CQM1H MAB42	£303.00
Pulse I/O board, 2x pulse I/O ports, inner board equivalent to CQM1 CPU43 Right slot only	CQM1H PLB21	£500.00
Serial Communication board, 1x RS-422/485 port, 1x RS-232C port & protocol macro function Left slot only	CQM1H SCB41	£252.00

Memory Options

Description	Part No.	Price Each
Memory Cassette, EEPROM, 4K word	CQM1 ME04K	£55.00
Memory Cassette, EEPROM, 4K word with RTC	CQM1 ME04R	£67.00
Memory Cassette, EEPROM, 8K word	CQM1 ME08K	£106.00
Memory Cassette, EEPROM, 8K word with RTC	CQM1 ME08R	£118.00
Memory Cassette, EPROM, (requires EPROM)	CQM1 MP08K	£28.00
Memory Cassette, EPROM, with RTC (requires EPROM)	CQM1 MP08R	£39.00
Memory Cassette, Flash ROM 16K word, for CQM1H CPU61	CQM1H ME16K	£106.00
Memory Cassette, Flash ROM 16K word with RTC, for CQM1H CPU61	CQM1H ME16R	£118.00
EPROM, 8K word	ROM ID B	£20.00
EPROM, 16K word	ROM JD B	£28.00
EPROM, 32K word	ROM KD B	£39.00
Expansion memory unit for CPM & CQM1 (requires EEPROM)	CPM1 EMU01 V1	£131.00

Power Supply Units

Rating	Part No.	Price Each
100/240VAC	CQM1 PA203	£80.00
100/240VAC including 0.5A 24VDC service supply	CQM1 PA216	£114.00
24VDC	CQM1 PD026	£117.00

I/O Units

Type	Rating	Part No.	Price Each
Input Unit	8x 100 - 120VAC	CQM1 IA121	£87.00
	8x 200 - 240VAC	CQM1 IA221	£112.00
	8x 12 - 24VAC, independent commons	CQM1 ID211	£74.00
	16x 24VDC	CQM1 ID212	£95.00
	32x 24VDC	CQM1 ID213	£178.00
Output	8x triac outputs, 0.4A 100-240VAC	CQM1 OA221	£118.00
	16x relay outputs, 2A 24VDC/250VAC	CQM1 OC222	£121.00
	8x relay outputs, 2A 24VDC/250VAC, independent commons	CQM1 OC224	£95.00
	8x transistor outputs, NPN, 2A, 24VDC	CQM1 OD211	£108.00
	16x transistor outputs, NPN, 0.3A, 24VDC	CQM1 OD212	£108.00
	32x transistor outputs, NPN, 0.1A, 24VDC	CQM1 OD213	£178.00
	16x transistor outputs, PNP, 0.3A, 24VDC	CQM1 OD214	£113.00
	8x transistor outputs, PNP, 1.0A, 24VDC	CQM1 OD215	£113.00
	32x transistor outputs, PNP, 0.1A, 24VDC	CQM1 OD216	£161.00

CQM1H Accessories

Analogue Input Modules

Description	Part No.	Price Each
4x 4-20mA/1-5V/0-10V/-10-+10V inputs (requires CQM1 IPS01/2 power supply)	CQM1 AD041	£302.00
4x 4-20mA/1-5V/0-10V/-10-+10V inputs	CQM1 AD042	£340.00

Analogue Output Modules

Description	Part No.	Price Each
2x 0-20mA/-10-+10V outputs	CQM1 DA022	£324.00

B7A Interface Units

Type	Part No.	Price Each
16x Outputs	CQM1 B7A02	£160.00
32x Outputs	CQM1 B7A03	£233.00
16x Inputs	CQM1 B7A12	£160.00
32x Inputs	CQM1 B7A13	£233.00
16x Inputs 16x Outputs	CQM1 B7A21	£225.00

G730 Interface Units

Description	Type	Part No.	Price Each
Master unit	32x Inputs & 32x Outputs	CQM1 G7M21	£190.00
Expansion Master units	32x Outputs	CQM1 G7N01	£136.00
	32x Inputs	CQM1 G7N11	£136.00

Power supply

Description	Part No.	Price Each
Unit for one AD041 or DA021 unit	CQM1 IPS01	£91.00
Unit for two AD041 or one AD041/one DA021 unit	CQM1 IPS02	£166.00

Temperature Control

Description	Part No.	Price Each
2x J/K thermocouple Inputs, NPN outputs	CQM1 TC001	£238.00
2x J/K thermocouple Inputs, PNP outputs	CQM1 TC002	£238.00
2x Pt100 RTD Inputs, NPN outputs	CQM1 TC101	£231.00
2x Pt100 RTD Inputs, PNP outputs	CQM1 TC102	£231.00



C200H Alpha

A general purpose PLC with up to 1184 I/O points

- Analogue I/O
- Temperature Sensor
- Temperature Control
- Fuzzy logic
- High-speed Counter
- Cam Positioner
- ASCII
- PID Control
- Motion Control
- Position Control
- ID Sensor
- Voice
- Analogue Timer
- B7A Interface
- Interrupt Input

CPUs

Description	Part No.	Price Each
7.2k word program, 6k word data memory	C200HE CPU32 E	£445.00
7.2k word program, 6k word data memory, RS-232C port	C200HE CPU42 E	£585.00
15.2k word program, 12k word data memory, RS-232C port	C200HG CPU43 E	£716.00
15.2k word program, 12k word data memory RS-232C port 1184 I/O point capacity	C200HG CPU63 E	£836.00
31.2k word program, 24k word data memory, RS-232C port	C200HX CPU44 E	£998.00
31.2k word program, 12k word data memory, RS-232C port 1184 I/O point capacity	C200HX CPU64 E	£1,123.00
63.2k word program, 102k word data memory, RS-232C port 1184 I/O point capacity	C200HX CPU85 ZE	£1,154.00

Memory Options

Description	Part No.	Price Each
Memory Cassette, EEPROM, 8k word	C200HW ME08K	£129.00
Memory Cassette, EEPROM, 16k word	C200HW ME16K	£140.00
Memory Cassette, EEPROM, 32k word	C200HW ME32K	£213.00
Memory Cassette, EEPROM, 64k word	C200HW ME64K	£266.00
Memory Cassette, EPROM, 16/32k (requires EPROM)	C200HS MP16K	£37.00
EPROM, 16k word	ROM JD B	£28.00
EPROM, 32k word	ROM KD B	£39.00

Power Supply Units

Rating	Part No.	Price Each
100/240VAC	CQM1 PA203	£80.00
100/240VAC including 0.5A 24VDC service supply	CQM1 PA216	£114.00
24VDC	CQM1 PD026	£117.00

I/O Units

Type	Rating	Part No.	Price Each
Input Unit	8x 100 - 120VAC	CQM1 IA121	£87.00
	8x 200 - 240VAC	CQM1 IA221	£112.00
	8x 12 - 24VAC, independent commons	CQM1 ID211	£74.00
	16x 24VDC	CQM1 ID212	£95.00
	32x 24VDC	CQM1 ID213	£178.00
Output	8x triac outputs, 0.4A 100-240VAC	CQM1 OA221	£118.00
	16x relay outputs, 2A 24VDC/250VAC	CQM1 OC222	£121.00
	8x relay outputs, 2A 24VDC/250VAC, independent commons	CQM1 OC224	£95.00
	8x transistor outputs, NPN, 2A, 24VDC	CQM1 OD211	£108.00
	16x transistor outputs, NPN, 0.3A, 24VDC	CQM1 OD212	£108.00
	32x transistor outputs, NPN, 0.1A, 24VDC	CQM1 OD213	£178.00
	16x transistor outputs, PNP, 0.3A, 24VDC	CQM1 OD214	£113.00
	8x transistor outputs, PNP, 1.0A, 24VDC	CQM1 OD215	£113.00
	32x transistor outputs, PNP, 0.1A, 24VDC	CQM1 OD216	£161.00



Nano Series

The compact size of the Modicon Telemecanique Nano PLC, available in three sizes, provides a "just enough" solution to the requirements of applications with 10 to 48 I/O.

Specification

Supply Voltage 100-240VAC; 24VDC.

Relay Outputs

No. of I/O points	Power supply	Output method	Input Points	Output Points	Part No.	Price Each
10	AC	Relay	6	4	TSX 0730 1028	£129.00
		Relay	6	4	TSX 0730 1022	£129.00
		Transistor	6	4	TSX 0730 1012	£135.00
16	AC	Relay	9	7	TSX 0731 1628	£165.00
		Relay	9	7	TSX 0731 1622	£165.00
		Transistor	9	7	TSX 0731 1612	£165.00
24	AC	Relay	14	12	TSX 0731 2428	£210.00
		Relay	14	12	TSX 0731 2422	£210.00
		Transistor	14	12	TSX 0731 2412	£210.00

Analogue Modules

Type	Signal Range	Resolution in nominal range	Part No.	Price Each
Input (1 channel)	0-10V	10-12 bits	TSX AEN 101	£79.00
	4-20mA	10-12 bits	TSX AEN 102	£79.00
	-10 to +10V	10-12 bits	TSX AEN 105	£79.00
Output (1 channel)	0-10V	8 bits	TSX ASN 101	£79.00
	4-20mA	8 bits	TSX ASN 102	£79.00
	-10 to +10V	8 bits	TSX ASN 105	£79.00

Cables

Description	Part No.	Price Each
I/O Extension (0.30m)	TSX CA0 003	£29.00
I/O Extension or Nano/Nano (50m)	TSX STC 050	£46.00
I/O Extension or Nano/Nano (200m)	TSX STC 200	£177.00
FTX 117 <-> Nano (2m)	T FTX CB1 020	£42.00
FTX 117 <-> Nano (5m)	T FTX CB1 050	£71.00
FTX 417/517 <-> Nano (2m)	T FTX CBF 020	£50.00
PC Compatible <-> Nano (2m)	TSX PCU 1030	£159.00
Nano <-> XBT/CCX 17 (5m)	XBT Z 968	£31.00
Modem Cable (2,50m)	TSX PCX 1130	£159.00

Accessories

Description	Part No.	Price Each
Software	Supports FTX 417 & FTX 517	TLX L PL7 07F 30 E £247.91
	Supports IBM PC, IBM PS/2 & PC Compatible	TLX L PL7 07P 30 E £165.00
Programming Terminal		T FTX 117 071 E £249.00
Input Simulator 24VDC	For Nano 10 I/O	TSX 07 SIM 06 £34.00
	For Nano 16 I/O	TSX 07 SIM 09 £45.00
	For Nano 24 I/O	TSX 07 SIM 14 £55.00
Adaptor for FTX117	110/120VAC Power supply	T FTX ADC 11 £42.00
	200/240VAC Power Supply	T FTX ADC 12 £42.00
	EEPROM 32K words	T FTX REM 3216 £99.00
Memory card	Protected RAM 32K words	T FTX RSM 3216 £89.00
	Protected RAM 128K words	T FTX RSM 12816 £184.00
	Battery Ram memory card	TSX BAT M01 £7.00



Micro Series

With the Micro, Schneider offers you a number of factors for success: the modern and unrestrained ergonomics of Windows, powerful IEC 1131-3 conformant languages, help throughout the installation process, elaborate functions and high-performance updating and diagnostic tools. Together, these features give the designer the freedom to devote himself totally to the controller realisation and reduce the set up time.

Specification

Supply Voltage 100-240VAC; 24VDC.

CPU's - TSX37- 05/08 & TSX37-10

No. of I/O points	Power supply	Output method	Input Points	Output Points	Connection Type	Part No.	Price Each
28	AC	Relay	16	12	Screw Term.	TSX 37 05 028DR1	£254.00
		Relay	16	12	Screw Term.	TSX 37 10 028DR1	£299.00
		Relay	16	12	Screw Term.	TSX 37 10 128DR1	£299.00
	DC	Transistor	16	12	Screw Term.	TSX 37 10 128DT1	£295.00
		Transistor	16	12	HE10 Conn.	TSX 37 10 128DTK1	£271.00
56	AC	Relay	32	24	Screw Term.	TSX 37 08 056DR1	£399.00
64	DC	Transistor	32	32	HE10 Conn.	TSX 37 10 164DTK1	£419.00

CPU's - TSX37-21/22

Power supply	Analogue Input	Output	Counter Up/Down	Down	Part No.	Price Each
24VDC	-	-	-	-	TSX 37 21 101	£245.00
	8 (0-10V)	1 (0-10V)	1 (10kHz)	1 (10kHz)	TSX 37 22 101	£340.00
100...240VAC	-	-	-	-	TSX 37 21 001	£250.00
	8 (0-10V)	1 (0-10V)	1 (10kHz)	1 (10kHz)	TSX 37 22 001	£340.00

Mini extension Rack

Description	Part No.	Price Each
2 Slot	TSX RKZ 02	£53.00

Discrete Input modules

Input Voltage	Modularity	Format	Connection Type	Part No.	Price Each
24VDC	12	Half	HE10 type	TSX DEZ 12DSK	£77.00
	32	Stand.	Screw term.	TSX DEZ 32D2	£199.00
	12	Half	Screw term.	TSX DEZ 12D2	£77.00
100...120VAC	8	Half	Screw term.	TSX DEZ 08A4	£103.00
200...240VAC	8	Half	Screw term.	TSX DEZ 08A5	£103.00

Discrete Output modules

Input Voltage	Modularity	Format	Connection Type	Part No.	Price Each
24VDC	8	Half	HE10 type	TSX DSZ 08T2K	£77.00
			Screw term.	TSX DSZ 08T2	£77.00
	32	Stand.	Screw term.	TSX DSZ 32T2	£328.00
			Screw term.	TSX DSZ 04T22	£104.00
24VDC/24...240VAC	8	Half	Screw term.	TSX DSZ 08R5	£77.00
	32	Stand.	Screw term.	TSX DSZ 32R5	£296.00

Discrete I/O modules

Number of I/O	Input Voltage	Output	Format	Connection Type	Part No.	Price Each
16	8-24V	8 (24V/0.5A)	Half	HE10 type	TSX DMZ 16DTK	£129.00
28	16-24V	12 (24V/0.5A)	Stand.	HE10 type	TSX DMZ 28DTK	£175.00
				Screw term.	TSX DMZ 28DT	£186.00
	16-100...120V	12 (50VA)	Stand.	Screw term.	TSX DMZ 28DR	£187.00
		12 (50VA)	Stand.	Screw term.	TSX DMZ 28AR	£241.00
64	32-24V	32 (24V/0.1A)	Stand.	HE10 type	TSX DMZ 64DTK	£249.00

Analogue input modules

No. of Channels	Input	Resolution	Part No.	Price Each
8	± 10V, 0-10V	11 bits + sign	TSX AEZ 801	£258.00
	0-20mA, 4-20mA	12 bits	TSX AEZ 802	£258.00
4	± 10V, 0-10V	16 bits	TSX AEZ 414	£299.00

Analogue input modules

No. of Channels	Input	Resolution	Part No.	Price Each
4	± 10V, 0-10V	11 bits + sign	TSX ASZ 401	£243.00
2	± 10V or 0-20mA, 4-20mA	16 bits	TSX ASZ 200	£199.00

Contact your local sales office for other products in this range and for confirmation of price.

Prices correct at time of printing but may vary subject to changes in manufacturers list prices. E. & O. E. All prices are exclusive of V.A.T.

Accessories

Description	Part No.	Price Each
Adaption Module	TSX ACZ 03	£69.00
Sub-D type connectors	TSX CAP S15	£16.00
Cable	TSX CCP S15	£41.00
Connection Terminal Block	TSX BLZ H01	£19.00

Simulator sub-base

Description	Part No.	Price Each
Telefast 2 16 channel simulator fitted with HE 10 type connectors	ABE 7TES160	£88.00
Replacement Parts		
Screw terminal Blocks for Standard format modules	TSX BLZ L01	£28.00

Counter Modules

Frequency	No. of Channels	Part No.	Price Each
40kHz	1	TSX CTZ 1A	£199.00
	2	TSX CTZ 2A	£329.00
500kHz	2	TSX CTZ 2AA	£399.00

Connection accessories

Type	For Connection of	Type of connectors/ Connection of	Part No.	Price Each
Sub-B Connectors	TSX CTZ A module	15-way SUB-D	TSX CAP H15	£16.00
Telefast 2	Counter sensors & 24V power supply	TSX CTZ A/22 module	ABE 7CPA01	£30.00
Connection sub-bases	24V power supply	TSX 37-22 int. counter		
Connection interfaces	5V RS 422 encoder	TSX CTZ A/2AA Module	TSX TAP S15 05	£74.00
for incremental encoder	10...30V totem pole encoder	TSX CTZ A/2AA Module	TSX TAP S15 24	£74.00

Type	For	To	Length	Part No.	Price Each
Cable (Cross section 0.205mm ²)	Integrated Counter (15-way SUB-D connector)	ABE-7CPA01 Sub-base	0.1	TSX CCP S15 050	£41.00
		(15-way SUB-D connector)	2	TSX CCP S15 100	£45.00
	TSX CTZ A module	ABE-7CPA or Counter sensor or encoder	2.5	TSX CCP H15	£42.00
Pre-formed Cables with 20 Flying leads (500mA Max)	Auxiliary inputs 24V Power supply and 5V/10...30V encoder power supply (moulded 20-way HE 10 connector)	ABE-7CPA01 Sub-base	3	TSX CDP 301	£20.00
		(15-way SUB-D connector)	5	TSX CDP 501	£35.00
Pre-formed Connection Cables (100mA Max)	Auxiliary inputs 24V Power supply and 5V/10...30V encoder power supply (moulded 20-way HE 10 connector)	ABE-7CPA01 or TSX TAP S15 sub-base	1	TSX CDP 102	£17.00
		(15-way SUB-D connector)	2	TSX CDP 202	£21.00
Connection Cables (500mA Max)	Auxiliary inputs 24V Power supply and 5V/10...30V encoder power supply (moulded 20-way HE 10 connector)	ABE-7H08R10/16R20	3	TSX CDP 302	£25.00
		Telefast 2 sub-base	0.5	TSX CDP 053	£18.00
		(20-way HE 10 connector)	1	TSX CDP 103	£19.00
			2	TSX CDP 203	£23.00
			3	TSX CDP 303	£27.00
			5	TSX CDP 503	£36.00

Memory extension cards

Description	Part No.	Price Each
RAM Memory for TSX37-21/22, 32k words	TSX MRP 032P	£179.00
RAM Memory for TSX37-21/22, 64k words	TSX MRP 064P	£359.00
Flash EPROM Memory for TSX37-21/22, 32k words	TSX MFP 032P	£162.00
Flash EPROM Memory for TSX37-21/22, 64k words	TSX MFP 064P	£339.00
Backup card for TSX37-21/22, 16k words	TSX MFP BAK 032P	£79.00



MicroSmart PLC FC4A Series

The MicroSmart is a micro PLC with a power supply circuit and I/O terminals contained in the small housing, yet expandable with many different functions. With multiple standard and optional functions, the MicroSmart not only saves space but also improves efficiency.

- Din Rail mounting
- Easy Programming
- 8 channel or 16 channel, 24VDC inputs relay or transistor sink/ source outputs
- Plug in Real Time Clock
- Plug in memory module
- Networking and Modem capability

CPU's

Power	Inputs	Outputs	Part No.	Price Each
85-264 VAC	6x 24 VDC	4 relay	FC4A C10R2B	£89.00
85-246 VAC	9x 24 VDC	7 relay	FC4A C16R2B	£129.00
85-264 VAC	14x 24 VDC	10 relay	FC4A C24R2B	£169.00

Expansion Units

Type	Description	Part No.	Price Each
Input	8 Channel 24 VDC	FC4A N08B1	£45.00
	16 Channel 24 VDC	FC4A N16B1	£70.00
Output	8 Channel 24 VDC	FC4A R081	£65.00
	16 Channel 24 VDC	FC4A R161	£85.00
Input/Output	4 Channel 24 VDC	FC4A M08BR1	£60.00
Transistor Sink Output	8 Channel	FC4A T08K1	£55.00
Transistor Source Output	8 Channel	FC4A T08S1	£55.00

Accessories

Description	Part No.	Price Each
Software WindLDR V4.0 (Windows 95/98 & NT)	FC9Y LP2CDW	£98.00
Programming cable	FC2A KC4C	£25.00
MicroSmart User Manual	FC4A Manual	£6.00
- RS232C Mini DIN Connector	FC4A PC1	£20.00
Adaptor - RS485 Mini DIN Connector	FC4A PC2	£20.00
- RS485 Terminal Connector	FC4A PC3	£20.00
Memory Cartridge (32k)	FC4A PM32	£18.00



SmartRelay FL1A Series

The FL1A SmartRelay is full of convenient functions such as timers, counters, and calendar function. It is possible to program it by operation of setting data from SmartRelay selection buttons by anyone, for every changing situation on your demand. Using the exclusive programming Software WindLGC, tasks such as confirming and modifying each complicated circuit condition by the simulation function, saving then printing the circuit data as documents.

Relay

Description	Part No.	Price Each
6 dig I/P, 2 dig/ana I/P, 4 trans O/P 24 VDC supply, with display	FL1A H12SND	£84.00
6 dig I/P, 2 dig/ana I/P, 4 relay O/P 12/24 VDC supply, real time clock, with display	FL1A H12RCE	£88.00
6 dig I/P, 4 relay O/P 24 VAC supply, real time clock, with display	FL1A H10RCA	£88.00
6 dig I/P, 4 relay O/P 100-240 VAC supply, real time clock, with display	FL1A H10RCB	£88.00
6 dig I/P, 2 dig/ana I/P, 4 relay O/P 12-24 VDC supply, real time clock, no display	FL1A B12RCE	£72.00
6 dig I/P, 4 relay O/P 24 VAC supply, real time clock, no display	FL1A B10RCA	£72.00
6 dig I/P, 4 relay O/P 100-240 VAC supply, real time clock, no display	FL1A B10RCB	£72.00

Accessories

Description	Part No.	Price Each
Software (Windows 95/98 & NT)	FLY LP1CDW	£39.00
Cable (SmartRelay to PC)	FL1A PC1	£49.00
SmartRelay User Manual	FL1A MANUAL	£25.00
Memory module Yellow (RAM)	FL1A PM1	£14.00
Memory module Red (EPROM)	FL1A PM2	£14.00



Easy Control Relays

User configured, multi-function, intelligent relay. Uses standard ladder logic entered via the key-pad on the front of each device. Includes 8 timers, 8 counters, 16 relays (markers) plus analogue comparators and real time clock functions on certain models. Latch and impulse features are also available. DIN rail or screw fixing. Will fit into standard (45mm gap) distribution boards.

Relay

Inputs	usable as	Outputs	Display &	Real-time	Text	Supply	Part No.	Price
Digital	Analogue	Relay	Transistor	Keypads	Clock	Message	Voltage	Each
8	2	4	-	Yes	Yes	-	24 DC	EASY 412 DA RC £110.00
8	2	4	-	Yes	-	-	24 DC	EASY 412 DC R £93.00
8	2	4	-	Yes	Yes	-	24 DC	EASY 412 DC RC £110.00
8	-	4	-	Yes	-	-	110/240 AC	EASY 412 AC R £93.00
8	-	4	-	Yes	Yes	-	110/240 AC	EASY 412 AC RC £110.00
8	2	-	4	Yes	Yes	-	24 DC	EASY 412 DC TC £93.00
8	2	4	-	-	Yes	-	24 DC	EASY 412 DC RCX £85.00
8	2	-	4	-	Yes	-	24 DC	EASY 412 DC TCX £80.00
8	-	-	-	-	Yes	-	110/240 AC	EASY 412 AC RCX £85.00
12	2	6	-	Yes	Yes	Yes	24 DC	EASY 618 DC RC £140.00
12	2	-	8	Yes	Yes	Yes	24 DC	EASY 620 DC TC £140.00
12	-	6	-	Yes	Yes	Yes	110/240 AC	EASY 618 AC RC £140.00
Expandable Units								
12	2	6	-	Yes	Yes	Yes	24 DC	EASY 619 DC RC £160.00
12	2	-	8	Yes	Yes	Yes	24 DC	EASY 618 DC TC £160.00
12	2	6	-	-	Yes	-	24 DC	EASY 618 DC RCX £132.00
12	2	-	8	-	Yes	-	24 DC	EASY 621 DC TCX £132.00
12	-	6	-	Yes	Yes	Yes	110/240 AC	EASY 619 AC RC £160.00
12	-	6	-	-	Yes	-	110/240 AC	EASY 619 AC RCX £132.00
Expansion Units								
12	-	-	8	-	-	-	24 DC	EASY 619 DC RC £110.00
12	-	6	-	-	-	-	110/240 AC	EASY 619 DC RC £110.00
Easy Link for expansion units (up to 30M)							EASY 200 EASY	£30.00
Network Expansion unit AS-interface							EASY 205 ASI	£98.00
Network Expansion unit Profibus DP							EASY 204 DP	£98.00

Accessories

Description	Part No.	Price Each
Power supply input 115/230VAC / Output 24VDC 500mA	EASY POWER 0.5	£48.00
Memory module for easy 400 units	EASY M 8K	£12.00
Memory Module for easy 600 units	EASY M 16K	£12.00
Fixing Bracket for screw fixing (3 required per device)	ZB4 101 GF1	£0.93
Cable for use with software	EASY PC SOFT	£37.00
Software (CD)	EASY SOFT	£21.00
Training Guide	AWB 2528 1316GB	£10.00
User Guide	AWB 2528 1304GB	£10.00



SIEMENS



LOGO! Programmable Relays

Logo programmable relays are available with relay or transistor outputs, making the range suitable for most applications.

Relay

Inputs Digital	Outputs Relay Transistor	Supply Voltage	LCD Display & Keyboard	Real-time Clock	Part No.	Price Each
6	4 -	24VAC/VDC	No	No	6ED1 052 2HB00 0BA1	£72.00
6	4 -	110-230VAC	No	No	6ED1 052 2FB00 0BA1	£74.00
6	4 -	12VDC	Yes	Yes	6ED1 052 1BB00 0BA1	£118.00
6	- 4	24VDC	Yes	-	6ED1 052 1CA00 0BA1	£93.00
6	4 -	24VAC/VDC	Yes	Yes	6ED1 052 1HB00 0BA1	£96.00
6	4 -	110-230VAC	Yes	Yes	6ED1 052 1FB00 0BA1	£98.00
12	8 -	12VDC	Yes	Yes	6ED1 053 1BB00 0BA1	£169.00
12	- 8	24VDC	Yes	-	6ED1 053 1CA00 0BA1	£133.00
12	8 -	24VDC	Yes	Yes	6ED1 053 1HB00 0BA1	£144.00
12	8 -	110-230VAC	Yes	Yes	6ED1 053 1FB00 0BA1	£146.00
12 +4 AS-i	8 +4 AS-i -	24VDC	Yes	Yes	6ED1 053 1HH00 0BA1	£191.00
12 +4 AS-i	8 +4 AS-i -	110-230VAC	Yes	Yes	6ED1 053 1FH00 0BA1	£193.00



Zelio Programmable Relays

Zelio programmable relays are available in a wide variety of models, ensuring that there is a version which provides the right combination of functions, at the right price, for virtually every application.

Relay

Inputs Digital Analogue	Outputs Relay	Supply Voltage	LCD Display & Keyboard	Real-time Clock	Part No.	Price Each
6 -	4	100-240VAC	No	-	SR1D101FU	£55.00
6 -	4	100-240VAC	No	Yes	SR1E101FU	£65.00
6 -	4	24VDC	No	-	SR1D101BD	£55.00
6 2	4	24VDC	No	Yes	SR1E121BD	£65.00
6 -	4	100-240VAC	Yes	-	SR1A101FU	£72.00
6 -	4	100-240VAC	Yes	Yes	SR1B101FU	£81.00
6 -	4	24VDC	Yes	-	SR1A101BD	£72.00
6 2	4	24VDC	Yes	Yes	SR1B121BD	£81.00
12 -	8	100-240VAC	Yes	-	SR1A201FU	£110.88
12 -	8	100-240VAC	Yes	Yes	SR1B201FU	£125.44
12 -	8	24VDC	Yes	-	SR1A201BD	£105.28
10 2	8	24VDC	Yes	Yes	SR1B201BD	£120.96

Accessories

Description	Part No.	Price Each
Zelio Software plus cable	SR1KIT01	£47.00
PC programming Software	SR1SFT01	£10.00
Product guide	SR1MAN01EN	£7.00
EPROM Cartridge 1K	SR1MEM01	£10.00
Cable 1.8M	SR1CBL01	£42.00

Starter Kits

Description	Part No.	Price Each
DC Starter Kit comprising SR1B121BD plus Cable & Software	SR1PACKBD	£90.00
AC Starter Kit comprising SR1B101FU plus Cable & Software	SR1PACKFU	£90.00





HG1B Series Touchscreens

- 48 touch zones (4x12)
- 127kB memory - up to 100 pages

HG1B

Description	Part No.	Price Each
Touch/display RS232C/485	HG1B SB22WF	£399.00
Touch/display RS422	HG1B SB22JF	£399.00
Display only RS232C/485	HG1B SB02WF	£359.00
Display only RS422	HG1B SB02JF	£359.00
Starter Kit	HG1BSTART	£349.00

Accessories

Description	Part No.	Price Each	
Programming Software (CD-ROM)	HG9Z ZSS2W	£85.00	
Maintenance cable for standard PC (9 pin)	HG9Z XCM22	£49.00	
PLC cable for	Micro3 programming port, 5M	HG9Z XC135	£45.00
	Micro3C loader port, 3M	HG9Z XC183	£45.00
	FA-3S SIF2, 5M	HG9Z XC115	£45.00
	FA Series, 5M	HG9Z XC125	£45.00
	Mitsubishi calculator link, 5M, RS232 (25 pin D skt)	HG9Z XC145	£45.00
	Mitsubishi calculator link, 3M, RS232C (9 pin D skt)	HG9Z XC203	£45.00
	Mitsubishi FX and A series port, 3M, RS422	HG9Z XC173	£45.00
	Omron link unit, 5M, RS232C (25 pin D skt)	HG9Z XC155	£45.00
	Omron, 3M, RS232C (9 pin D skt) ♦	HG9Z XC145	£45.00

♦ not including C20H, C28H, C40H

HG2A/C Series Touchscreens

- Eight colour, full touch LCD screen
- 70 touch regions per screen
- 279kB memory - up to 150 pages

HG2A Series

Description		Part No.	Price Each
Colour	RS232C port	HG2A SS22BF	£809.00
	RS485 port	HG2A SS22CF	£809.00
	RS422 port	HG2A SS22JF	£809.00
Starter Kit		HG2ASTART	£716.00
Monochrome	RS232C port	HG2A SB22BF	£656.00
	RS485 port	HG2A SB22CF	£656.00
	RS422 port	HG2A SB22JF	£656.00
Starter Kit		HG2ASTARTM	£530.00

HG2C Series

Description		Part No.	Price Each
Colour	RS232C 1 row or 2 columns	HG2C SS52BF1	£1018.00
	RS485 1 row or 2 columns	HG2C SS52CF1	£1018.00
	RS422 1 row or 2 columns	HG2C SS52JF1	£1018.00
	RS232C 2 rows	HG2C SS52BF1	£1018.00
	RS485 2 rows	HG2C SS52CF2	£1018.00
	RS422 2 rows	HG2C SS52JF2	£1018.00
Monochrome	RS232C 1 row or 2 columns	HG2C SB52BF1	£712.00
	RS485 1 row or 2 columns	HG2C SB52CF1	£712.00
	RS422 1 row or 2 columns	HG2C SB52JF1	£712.00
	RS232C 2 rows	HG2C SB52BF2	£712.00
	RS485 2 rows	HG2C SB52CF2	£712.00
	RS422 2 rows	HG2C SB52JF2	£712.00

Accessories

Description	Part No.	Price Each
Programming Software (CD-ROM)	HG9Z ZSS2W	£85.00
Maintenance cable for standard PC (9 pin)	HG9Z XCM22	£49.00
PLC cable for	FA-3S SIF2	£45.00
	FA Series, 5M	£45.00
	micro3 programming port	£45.00
	M3C loader port /ONC port	£45.00
	Mitsubishi RS422	£45.00
	Mitsubishi RS232C port	£45.00
	AB SLC 500 Series	£45.00
	Omron, 3M, RS232C I/F	£45.00
	GE Fanuc 90-30 series	£45.00
	AB MICROLOGIX	£45.00



OMRON



NT2S

- Backlit LCD
- Memory EEPROM (8k)
- IP65
- Effective display area: 56W x 11mm
- Display Resolution: 2 lines vertically x 16 horizontally
- Display history - 65532 screens

Specifications:

Power supply	24 VDC
Power consumption	15 W

NT2S

Product	Part No.	Price Each
Programmable Terminal	NT2S SF123B EV1	£85.00
2m Cable (for connecting NT2S to Omron PLC peripheral port)	NT2S CN222 V1	£15.00
5m Cable (for connecting NT2S to Omron PLC peripheral port)	NT2S CN225 V1	£21.00



NT11S

The NT11S is a slim Programmable Terminal that is ideally suited to harsh environments.

- 4 line LCD Dynamic data display
- Large numeric function control keys for ease of use
- Flash memory - no need for batteries
- IP65
- RS232 and RS422 ports as standard
- Printer port
- Password screens for security
- 24 VDC power supply
- Simple to use - simplifies ladder programming
- Long lived backlight, easily replaceable
- Bar graph facility
- Effective display area: 100 x 40mm
- No of characters displays: 20 horizontally x 4 lines vertically
- Display history - 256 screens

Specifications:

Power supply	24 VDC
Power consumption	15 W

NT11S

Product	Part No.	Price Each
Programmable Terminal (Frame colour - Beige)	NT11S SF121	£479.00
Programming Software	NT11S ZA3AT EV1	£59.00
Programming Cable	RS232 CABLE	£35.00
Connection Cable PLC to Datapanel	CABLE 2	£35.00



NT20S

Touch screen Programmable Terminal for use with all Omron PLC's allowing full graphic interface.

- Flash memory - no need for batteries
- IP65
- Display lamps and create touch switches
- Bargraph facility
- RS232 port
- In-built thumbwheel data entry
- 256 x 128 dots
- Effective display area: 112 x 56mm
- Buzzer
- Long lived backlight, easily replaceable
- No. of characters displayed: 32 horizontally x 8 lines vertically
- 6k Byte Screen memory

Specifications:

Power supply	24 VDC
Power consumption	10 W

NT20S

Product	Part No.	Price Each
Programmable Terminal (Frame colour - Beige)	NT20S ST121 EV3	£857.00
Programming Software	NTEV2 SOFTWARE	£59.00
Programming Cable	RS232 CABLE	£35.00
Connection Cable PLC to Datapanel	CABLE 2	£35.00



Magelis Range

XBT-H

- Display unit with alpha numeric screen
- 20 x 20 character display

XBT-H

Product	Part No.	Price Each
LCD (no back-light), 5 service keys, Uni-telway protocol only	XBTH811050	£144.00
Back-lit LCD, no keys	XBTH001010	£149.00
Back-lit LCD, 4 function keys, 1 service key	XBTH021010	£189.00
Back-lit LCD, 5 service keys	XBTH011010	£189.00
Fluorescent, no keys	XBTH002010	£194.00
Fluorescent, 4 function keys, 1 service key	XBTH022010	£246.00
Fluorescent, 5 service keys	XBTH012010	£246.00
Fluorescent, 5 service keys, serial printer link	XBTH012110	£299.00



XBT-P

- Terminals with alpha numeric screen
- 20 x 20 character display

XBT-P

Product	Part No.	Price Each
Back-lit LCD, 8 function keys, 9 service key	XBTP001010	£249.00
Back-lit LCD, 12 function keys, 10 service key, Num. Keypad	XBTP021010	£289.00
Back-lit LCD, 12 function keys, 10 service key, Num. Keypad, serial printer port	XBTP021110	£359.00
Fluorescent, 8 function keys, 9 service key	XBTP012010	£324.00
Fluorescent, 12 function keys, 10 service keys, Num. Keypad	XBTP022010	£376.00
Fluorescent, 12 function keys, 10 service keys, Num. Keypad, serial printer port	XBTP022110	£467.00



XBT-E

- Advanced terminals with alpha numeric screen
- 24 function keys, 10 service keys & numeric keypad

XBT-E

Product	Part No.	Price Each
Back-lit LCD, 2x40 characters	XBTE013010	£575.00
Back-lit LCD, 2x40 characters, serial printer port	XBTE013110	£600.00
Back-lit LCD, 4x40 characters	XBTE015010	£625.00
Back-lit LCD, 4x40 characters, serial printer port	XBTE015110	£650.00
Fluorescent, 2x40 characters	XBTE014010	£719.00
Fluorescent, 2x40 characters, serial printer port	XBTE014110	£750.00
Fluorescent, 4x40 characters	XBTE016010	£781.00
Fluorescent, 4x40 characters, serial printer port	XBTE016110	£813.00



XBT-HM

- Display unit with matrix
- 240 x 64 pixels, up to 8 x 40 characters

XBT-HM

Product	Part No.	Price Each
Back-lit LCD, Pixel display only	XBTHM007010	£389.00
Back-lit LCD, Pixel 4 function keys, 1 service key	XBTHM027010	£409.00
Back-lit LCD, Pixel 5 service keys	XBTHM017010	£409.00
Back-lit LCD, Pixel 5 service keys, serial printer port	XBTHM017110	£449.00
Back-lit LCD, Pixel 5 service keys, for direct connection to ATV28/58 drives	XBTHM017110A8	£459.00



XBT-PM

- Terminals with matrix
- 240 x 64 pixels, up to 8 x 40 characters

XBT-PM

Product	Part No.	Price Each
Back-lit LCD, 12 function keys, 10 service keys, 4 soft keys by screen, Num. keypad	XBT PM027010	£520.00
Back-lit LCD, 12 function keys, 10 service keys, 4 soft keys by screen, Num. keypad, serial printer port	XBT PM027110	£590.00



Communication protocol drivers and connection accessories are available for third party PLC's including:

Allen Bradley
Omron
Siemens
GE Fanuc

Accessories for Magelis Range

Communication Cards

Description	Part No.	Price Each
Modbus Plus PCMCIA card (requires TSXMBPCE030 cable)	TSXMBP100	£399.00
Cable, TSXMBP100 to Modbus Plus tap box 3m	TSXMBPCE030	£47.00
Modbus Plus IP20 tap box	990NAD23000	£26.00
FIPIO PCMCIA card (requires TSXFPCG030 cable)	TSXFPP10	£243.00
FIPWAY PCMCIA card (requires TSXFPCG030 cable)	TSXFPP20	£275.00
Cable, TSXFPP** to FIPWAY tap box 3m	TSXFPCG030	£275.00
FIPWAY tap-off box 3m (IP65)	TSXFACC4	£123.00

Programming Software

Description	Part No.	Price Each
For XBT-H/P/E text display only. Requires Win 3.1 and separate drivers	XBTL1000	£199.00
For all Magelis models. Requires Win95/NT, comes as pack incl. all schneider comms. drivers, programming cable, user manual product stand and CD-Rom	XBTL1003E	£399.00
For all Magelis models. Requires Win95/NT, comes as pack incl. ALL comms. drivers, programming cable, user manual product stand and CD-Rom	XBTL1004E	£499.00

Programming Cables

Description	Part No.	Price Each
Cable, Magelis to PC (9 pin male, RS232)	XBZ915	£40.00
Adaptor, 9 to 25 pin (required for XBTF terminals)	XBZ962	£15.00

Accessories General

Description	Part No.	Price Each
Cable, Magelis to printer serial link	XBZ936	£48.00
Magelis Labels for XBTH02 (4 function keys)	XBLYH4	£12.00
Magelis Labels for XBTP01 (8 function keys)	XBLYP8	£12.00
Magelis Labels for XBTP02 (12 function keys)	XBLYP12	£12.00
Magelis Labels for XBTE (24 function keys)	XBLYE24	£12.00
Magelis Labels for XBTHM02 (4 function keys)	XBLYHM4	£12.00
Stands, MAGELIS XBTF (Pack of 2)	XBZ3001	£18.00
Spring Loaded Clamps for XBTHM/F/TXBT (Pack of 12)	XBZ3002	£22.00
Spring Loaded Clamps for XBTH/P/E (Pack of 10)	XBZ3003	£22.00
Power Connectors 24VD, 5x 3 pin: 5x 5pin (Pack of 10)	XBZ3004	£25.00

Communication Protocol Drives

Description	Part No.	Price Each
Modicon TSX & Telemecanique Series 7 (Uni-Telway)	XBTL1UTW01	£65.00
Modicon Quantum/Momentum/984/Micro/AEG (Modbus/Jbus)	XBTL1MOD01	£65.00
Modicon A120/A250 (KS)	XBTL1AEG01	£65.00

Programming Cables

Description	Part No.	Price Each
Magelis to Modicon TSX 07/37/57 PLC's, 2.5m	XBZ968	£31.00
Magelis to Modicon TSX 07/37/57 PLC's, 5m	XBZ9681	£35.00
Magelis to Modicon 984/Quantum, 5m	XBZ9710	£48.00
Magelis to Momentum, Modicon Micro and Modicon compact (RJ45), 2.5m	XBZ9700	£48.00
Magelis to TSXSXA62 Uni-Telway junction box, 1.8m	XBZ908	£56.00
Magelis to TSXSXM21.6 Uni-Telway module, 5m	XBZ918	£56.00
Magelis to TSXSCG1161E Uni-Telway TSX17, 17.5m	XBZ908	£56.00
Magelis to TSXLES64 Uni-Telway SCL port, 5m	XBZ948	£56.00
Magelis to TSX17 Programming port, 5m	XBZ958	£56.00
Adaptor, required for connection to Modicon Micro versions with 9 pin connector	110XCA20301	£23.00

Connection Accessories to Third party PLC's

Description	Part No.	Price Each
Magelis to ASi interface (requires XBZ9702 cable)	XBZ9A994	£129.00
Magelis to XBZ9A994	XBZ9702	£38.00
Interface unit, current loop to RS232	XBZ939	£40.00



VAT20

VAT20

The VAT20 is a high specification easy to operate digital speed controller for control of 0.2KW - 2.2KW 3 phase motors from a single phase 200-240 volt supply or 0.75 - 2.2KW 3 phase from a 380-460 volt 3 phase supply

- Built-in Keypad and 3 digit LED display interface, providing parameter settings, monitoring and application functions
- Built-in Class A EMC filter as standard
- Overload capacity 150% / 60sec.
- Standards - UL, CE & CSA (UL 508C)
- Output frequency 0 - 120Hz
- Setting resolution Digital : 0.1 Hz / Analogue : 0.1 %
- Carrier frequency Selectable 1 - 8 kHz
- I/O Configuration Two fixed and two programmable digital inputs
- One programmable relay output
- One configurable 0 - 10 V, 4 - 20 mA analogue input, and one analogue output

Single Phase 200 - 240VAC

Ratings		Price Part No.	Each
Constant Torque kW	Amps		
0.2	1.4	U20N0K2S	£139.00
0.4	3	U20N0K4S	£145.00
0.75	4.2	U20N0K7S	£185.00
1.5	8	U20N1K5S	£275.00
2.2	11	U20N2K2S	£350.00

Three Phase 380 - 460VAC

Ratings		Price Part No.	Each
Constant Torque kW	Amps		
0.75	2.3	U20X0K7S	£316.00
1.5	3.8	U20X1K5S	£359.00
2.2	5.2	U20X2K2S	£460.00

Accessories

Description	Part No.	Price Each
Class B Filter	U20AF0K7	£34.02
Din Rail Mounting Kit	U20AR0K7	£40.60



VAT2000

VAT2000

This range of inverters include a large number of technical innovations that allow a drastic reduction in the number of components applied within the units giving major improvements in performance and reliability.

- Sensorless flux vector
- 0.75kw - 55kw
- Built in PID
- Traverse pattern generation function
- Skip frequency
- Automatic run up to 10 steps
- Automatic torque boost
- DC Injection Breaking
- 4 pre-set speeds
- Jog Operation
- Permanent magnet motors
- Built-in removable keypad
- Built-in communications

Three Phase 400V

Ratings		Inverter Part No.	Price Each	RFI Filter Part No.	Price Each
Constant Torque kW	Amps				
0.4	1.5	U2KX00K4S	£450.00	U2KF3016MD1	£92.00
0.75	2.5	U2KX00K7S	£504.00	U2KF3016MD1	£92.00
1.5	3.6	U2KX01K5S	£544.00	U2KF3016MD1	£92.00
2.2	5.5	U2KX02K2S	£584.00	U2KF3016MD1	£92.00
4.0	8.6	U2KX04K0S	£648.00	U2KF3016MD1	£92.00
5.5	13	U2KX05K5S	£794.00	U2KF3032MD2	£116.00
7.5	17	U2KX07K5S	£962.00	U2KF3032MD2	£116.00
11.0	23	U2KX11K0S	£1364.00	U2KF3058MD3	£210.00
15.0	31	U2KX15K0S	£1582.00	U2KF3058MD3	£210.00
18.5	37	U2KX18K5S	£1944.00	U2KF3058MD3	£210.00
22.0	44	U2KX22K0S	£2254.00	U2KF3096MD4	£276.00
30.0	60	U2KX30K0S	£2812.00	U2KF3096MD4	£276.00
37.0	72	U2KX37K0S	£3806.00	PR3110STD	£490.00
45.0	87	U2KX45K0S	£4466.00	PR3150STD	£610.00

OMRON



3G3JV

- General Purpose Inverter.
- Up to 4kW.
- V/F control.
- Simple configuration.
- Compact size.
- In-built operator.
- On-board potentiometer.
- Overtorque detection.
- Skip frequencies.
- Motor thermal protection.
- S Curve function.

Single Phase 200 - 230VAC

Rating kW	Amps	Inverter Part No.	Price Each	RFI Filter Part No.	Price Each
0.1	0.8	3G3JV AB001	£123.00	3G3JV PFI 1010E	£24.00
0.25	1.6	3G3JV AB002	£132.00	3G3JV PFI 1010E	£24.00
0.55	3	3G3JV AB004	£147.00	3G3JV PFI 1010E	£24.00
1.1	5	3G3JV AB007	£176.00	3G3JV PFI 1020E	£29.00
1.5	8	3G3JV AB015	£236.00	3G3JV PFI 1020E	£29.00

Three Phase 200 - 230VAC

Rating kW	Amps	Inverter Part No.	Price Each	RFI Filter Part No.	Price Each
0.1	0.8	3G3JV A2001	£123.00	3G3JV PFI 2010E	£56.00
0.25	1.6	3G3JV A2002	£132.00	3G3JV PFI 2010E	£56.00
0.55	3	3G3JV A2004	£147.00	3G3JV PFI 2010E	£56.00
1.1	5	3G3JV A2007	£176.00	3G3JV PFI 2010E	£56.00
1.5	8	3G3JV A2015	£236.00	3G3JV PFI 2020E	£68.00
2.2	11	3G3JV A2022	£247.00	3G3JV PFI 2020E	£68.00

Three Phase 380 - 460VAC

Rating kW	Amps	Inverter Part No.	Price Each	RFI Filter Part No.	Price Each
0.37	1.2	3G3JV A4002	£258.00	3G3JV PFI 3005E	£42.00
0.55	1.8	3G3JV A4004	£268.00	3G3JV PFI 3005E	£42.00
1.1	3.4	3G3JV A4007	£304.00	3G3JV PFI 3010E	£56.00
1.5	4.8	3G3JV A4015	£361.00	3G3JV PFI 3010E	£56.00
2.2	5.5	3G3JV A4022	£397.00	3G3JV PFI 3010E	£56.00
3	7.2	3G3JV A4030	£443.00	3G3JV PFI 3020E	£73.00
4	9.2	3G3JV A4040	£494.00	3G3JV PFI 3020E	£73.00

Accessories

Description	Part No.	Price Each
RS-232C communications card	3G3JV PSI232J	£46.00
RS-422/485 communications card	3G3JV PSI485J	£52.00
Remote digital operator	3G3MV JVOP146	£81.00
Connecting cable for remote digital operator 3G3MV-JVOP146, 1m	3G3MV WV001	£36.00
Connecting cable for remote digital operator 3G3MV-JVOP146, 3m	3G3MV WV003	£46.00

Output cable filter choke

Description	Part No.	Price Each
21mm dia central hole	3G3IV PFO OC/1	£9.00
28.5mm dia central hole	3G3IV PFO OC/2	£12.00
48mm dia central hole	3G3IV PFO OC/3	£19.00
58mm dia central hole	3G3IV PFO OC/4	£31.00

Contact your local sales office for other products in this range and for confirmation of price.

Prices correct at time of printing but may vary subject to changes in manufacturers list prices. E. & O. E. All prices are exclusive of V.A.T.

OMRON



3G3MV

- Open Loop Vector Inverter
- Up to 7.5kW
- Compact size.
- Fieldbus options: DeviceNet, Profibus DP, Modbus, Canbus, InterbusS.
- 7 configurable digital inputs.
- 3 configurable digital outputs.
- In-built operator/copy unit.
- On-board potentiometer.
- Skip frequencies.
- S Curve function

Single Phase 200 - 230VAC

Rating kW	Amps	Inverter Part No.	Price Each	RFI Filter Part No.	Price Each
0.1	0.8	3G3MV AB001	£199.00	3G3MV PFI 1010E	£24.00
0.25	1.6	3G3MV AB002	£205.00	3G3MV PFI 1010E	£24.00
0.55	3	3G3MV AB004	£213.00	3G3MV PFI 1010E	£24.00
1.1	5	3G3MV AB007	£252.00	3G3MV PFI 1020E	£29.00
1.5	8	3G3MV AB015	£301.00	3G3MV PFI 1020E	£29.00
2.2	11	3G3MV AB022	£338.00	3G3MV PFI 1030E	£40.00
4	17.5	3G3MV AB040	£384.00	3G3MV PFI 1040E	£62.00

Three Phase 200 - 230VAC

Rating kW	Amps	Inverter Part No.	Price Each	RFI Filter Part No.	Price Each
0.1	0.8	3G3MV A2001	£199.00	3G3MV PFI 2010E	£56.00
0.25	1.6	3G3MV A2002	£205.00	3G3MV PFI 2010E	£56.00
0.55	3	3G3MV A2004	£213.00	3G3MV PFI 2010E	£56.00
1.1	5	3G3MV A2007	£252.00	3G3MV PFI 2010E	£56.00
1.5	8	3G3MV A2015	£301.00	3G3MV PFI 2020E	£73.00
2.2	11	3G3MV A2022	£338.00	3G3MV PFI 2020E	£73.00
4	17.5	3G3MV A2040	£384.00	3G3MV PFI 2030E	£87.00
5.5	25	3G3MV A2055	£623.00	3G3MV PFI 2050E	£100.00
7.5	33	3G3MV A2075	£731.00	3G3MV PFI 2050E	£100.00

Three Phase 380 - 460VAC

Rating kW	Amps	Inverter Part No.	Price Each	RFI Filter Part No.	Price Each
0.37	1.2	3G3MV A4002	£280.00	3G3MV PFI 3005E	£42.00
0.55	1.8	3G3MV A4004	£313.00	3G3MV PFI 3005E	£42.00
1.1	3.4	3G3MV A4007	£353.00	3G3MV PFI 3005E	£42.00
1.5	4.8	3G3MV A4015	£394.00	3G3MV PFI 3010E	£56.00
2.2	5.5	3G3MV A4022	£426.00	3G3MV PFI 3010E	£56.00
3	7.2	3G3MV A4030	£473.00	3G3MV PFI 3020E	£73.00
4	9.2	3G3MV A4040	£533.00	3G3MV PFI 3020E	£73.00
5.5	14.8	3G3MV A4055	£623.00	3G3MV PFI 3030E	£77.00
7.5	18	3G3MV A4075	£731.00	3G3MV PFI 3030E	£77.00

Accessories

Description	Part No.	Price Each
Remote digital operator	3G3MV JVOP146	£81.00
Connecting cable for remote digital operator 3G3MV-JVOP146, 1m	3G3MV WV001	£36.00
Connecting cable for remote digital operator 3G3MV-JVOP146, 3m	3G3MV WV003	£46.00
Connecting cable for CN2 connector, 2m	3G3MV PCN CN2	£5.00
Connecting cable, RS-232C, from 3G3MV to PC, 2m	3G3MV PCNRS232CN V1	£10.00
DeviceNet communications interface card	3G3MV PDRT1 SINV	£309.00

Braking resistor

Braking resistor			Price Each
Description		Part No.	
Single-phase	200 Ohm, (up to 0.75kW)	3G3IV PERF150WJ201	£15.00
	100 Ohm, (1.5kW)	3G3IV PERF150WJ101	£15.00
	70 Ohm, (2.2kW)	3G3IV PERF150WJ700	£15.00
	62 Ohm, (3.7kW)	3G3IV PERF150WJ620	£15.00
3-phase	750 Ohm, (up to 0.75kW)	3G3IV PERF150WJ751	£15.00
	400 Ohm, (1.5kW)	3G3IV PERF150WJ401	£15.00
	300 Ohm, (2.2kW)	3G3IV PERF150WJ301	£15.00

Output cable filter choke

Description	Part No.	Price Each
21mm dia central hole	3G3IV PFO OC/1	£9.00
28.5mm dia central hole	3G3IV PFO OC/2	£12.00
48mm dia central hole	3G3IV PFO OC/3	£19.00
58mm dia central hole	3G3IV PFO OC/4	£31.00

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Prices correct at time of printing but may vary subject to changes in manufacturers list prices. E. & O. E. All prices are exclusive of V.A.T.



3G3HV

- General purpose, fan-pump rated inverter
- Up to 300kW
- Simple to use operator.
- Energy saving function automatically optimises motor current.
- 12 pulse available from 18.5 to 160kW
- DC link reactor in-built above 18.5kW to reduce harmonic distortion
- PID built-in as standard
- Modbus built-in as standard

Three Phase

Rating kW	Amps	Inverter Part No.	Price Each	RFI Filter Part No.	Price Each
0.4	1.8	3G3HV A4004 CUE	£459.00	3G3FV PFI 4012E	£80.00
0.75	3.4	3G3HV A4007 CUE	£517.00	3G3FV PFI 4012E	£80.00
1.5	4.8	3G3HV A4015 CUE	£581.00	3G3FV PFI 4012E	£80.00
2.2	6.2	3G3HV A4022 CUE	£647.00	3G3FV PFI 4012E	£80.00
3.7	8.0	3G3HV A4037 CUE	£751.00	3G3FV PFI 4012E	£80.00
4	11	3G3HV A4040 CUE	£815.00	3G3FV PFI 4012E	£80.00
5.5	14	3G3HV A4055 CUE	£1,029.00	3G3FV PFI 4025E	£104.00
7.5	18	3G3HV A4075 CUE	£1,183.00	3G3FV PFI 4025E	£104.00
11	27	3G3HV A4110 CUE	£1,512.00	3G3FV PFI 4040E	£144.00
15	34	3G3HV A4150 CUE	£1,758.00	3G3FV PFI 4040E	£144.00
18.5	41	3G3HV B4185 CUE	£2,191.00	3G3FV PFI 4060E	£208.00
22	52	3G3HV B4220 CUE	£2,602.00	3G3FV PFI 4060E	£208.00
30	65	3G3HV B4300 CUE	£2,971.00	3G3FV PFI 4100E	£322.00
37	80	3G3HV B4370 CUE	£3,686.00	3G3FV PFI 4100E	£322.00
45	96	3G3HV B4450 CUE	£3,767.00	3G3FV PFI 4120E	£390.00
55	128	3G3HV B4550 CUE	£4,703.00	3G3FV PFI 4150E	£456.00
75	165	3G3HV B4750 CUE	£5,760.00	3G3FV PFI 4180E	£589.00
110	224	3G3HV B411K CUE	£6,975.00	3G3FV PFI 4280E	£805.00
160	302	3G3HV B416K CUE	£9,753.00	3G3FV PFI 4450E	£1,220.00
185	340	3G3HV B418K CUE	£15,812.00	3G3FV PFI 4450E	£1,220.00
220	450	3G3HV B422K CUE	£17,987.00	3G3FV PFI 4600E	£1,994.00
300	605	3G3HV B430K CUE	£22,837.00	3G3FV PFI 4900E	£2,779.00

Accessories

Description	Part No.	Price Each
Connecting cable for remote mounting 3G3HV-JVOP146, operator, 1m	3G3HV PCN125N	£21.00
Connecting cable for remote mounting 3G3HV-JVOP146, operator, 3m	3G3HV PCN325N	£26.00
Connecting cable for CN2 connector of 3G3HV, 2m	3G3HV PCNDW225N	£21.00
Panel mounting bracket, digital operator, metal, fixed operator	3G3HV PDACT AD	£11.00
Panel mounting bracket, digital operator, metal, fixed or removable operator	3G3HV PDACT BD	£15.00
Replacement digital operator	3G3HV PJVOP131	£41.00
Current Monitor converter card, 4-20mA	3G3HV PCMA2	£155.00
Modbus converter card, RS-232C/485 (not required for CE type drives)	3G3HV PPSIK2P	£155.00

OMRON



3G3FV

- Flux Vector Inverter.
- Up to 300kW.
- Simple v/f/open loop/closed loop flux vector control all in one drive.
- Auto tuning system.
- Fieldbus options: DeviceNet, Profibus, InterbusS.
- Modbus built-in as standard.
- Powerful application oriented functionality

Three Phase 380 - 460VAC

Rating kW	Amps	Inverter Part No.	Price Each	RFI Filter Part No.	Price Each
0.4	1.8	3G3FV A4004 CUE	£557.00	3G3FV PFI 4012E	£80.00
0.75	3.4	3G3FV A4007 CUE	£584.00	3G3FV PFI 4012E	£80.00
1.5	4.8	3G3FV A4015 CUE	£697.00	3G3FV PFI 4012E	£80.00
2.2	6.2	3G3FV A4022 CUE	£785.00	3G3FV PFI 4012E	£80.00
3.7	8.0	3G3FV A4037 CUE	£936.00	3G3FV PFI 4012E	£80.00
4	11	3G3FV A4040 CUE	£990.00	3G3FV PFI 4012E	£80.00
5.5	14	3G3FV A4055 CUE	£1,246.00	3G3FV PFI 4025E	£104.00
7.5	18	3G3FV A4075 CUE	£1,361.00	3G3FV PFI 4025E	£104.00
11	27	3G3FV A4110 CUE	£1,766.00	3G3FV PFI 4040E	£144.00
15	34	3G3FV A4150 CUE	£2,244.00	3G3FV PFI 4040E	£144.00
18.5	41	3G3FV B4185 CUE	£3,183.00	3G3FV PFI 4060E	£208.00
22	52	3G3FV B4220 CUE	£3,792.00	3G3FV PFI 4060E	£208.00
30	65	3G3FV B4300 CUE	£4,058.00	3G3FV PFI 4100E	£322.00
37	80	3G3FV B4370 CUE	£4,589.00	3G3FV PFI 4100E	£322.00
45	96	3G3FV B4450 CUE	£4,801.00	3G3FV PFI 4120E	£390.00
55	128	3G3FV B4550 CUE	£5,845.00	3G3FV PFI 4150E	£456.00
75	165	3G3FV B4750 CUE	£7,268.00	3G3FV PFI 4180E	£589.00
110	224	3G3FV B411K CUE	£9,597.00	3G3FV PFI 4280E	£805.00
160	302	3G3FV B416K CUE	£12,288.00	3G3FV PFI 4450E	£1,220.00
185	340	3G3FV B418K CUE	£18,530.00	3G3FV PFI 4450E	£1,220.00
220	450	3G3FV B422K CUE	£21,074.00	3G3FV PFI 4600E	£1,994.00
300	605	3G3FV B430K CUE	£26,752.00	3G3FV PFI 4900E	£2,779.00

Accessories

Description	Part No.	Price Each
Connecting cable for remote mounting 3G3FV-JVOP146, operator, 1m	3G3FV PCN125N	£21.00
Connecting cable for remote mounting 3G3FV-JVOP146, operator, 3m	3G3FV PCN325N	£26.00
Connecting cable for CN2 connector of 3G3FV, 2m	3G3FV PCNDW225N	£21.00
Panel mounting bracket for 3G3FV/HV digital operator, metal, fixed operator	3G3FV PDACT AD	£11.00
Panel mounting bracket for 3G3FV/HV digital operator, metal, fixed or removable operator	3G3FV PDACT BD	£15.00
Replacement digital operator	3G3FV PJVOP130	£52.00
Digital output card, 2 contacts	3G3FV PD002C	£103.00
Digital speed set card	3G3FV PDI16H2	£185.00
Parameter copy unit	3G3FV PJVOP135	£180.00
Connecting cable for 3G3FV parameter copy unit, 3m	3G3FV PW5101	£31.00
Encoder feedback card, V/F mode	3G3FV PPGA2	£198.00
Encoder feedback card, closed loop mode (open collector type)	3G3FV PPGB2	£258.00
Encoder feedback card, closed loop mode, RS-422	3G3FV PPGX2	£381.00
Modbus converter card (not required for CE type drives)	3G3FV PPSIK2G	£155.00
Analogue input card, 3 channel bipolar, high resolution 13-bit	3G3FV PAI14B	£156.00
Analogue output monitor card, 2 channel	3G3FV PAO12	£119.00



Altivar 28

The Altivar 28 incorporates radio interference suppression input filters to comply with the EMC "products" standards IEC 1800-3 and EN 61800-3.

The standard IP21 product with integral heatsink, allows side by side mounting, providing valuable space saving in panels. Also available is a compact IP55 enclosed motor starter version comprising a motor protection circuit breaker, potentiometer and two-way selector switch pre-wired and ready assembled.

Standard IP21 version

Single Phase 200 - 240VAC

Rating kW	Amps	Part No.	Price Each
0.37	3.3	ATV 28HU09M2	£124.00
0.75	4.8	ATV 28HU18M2	£165.00
1.5	7.8	ATV 28HU29M2	£195.00
2.0	11	ATV 28HU41M2	£245.00

Three Phase 200 - 240VAC

Rating kW	Amps	Part No.	Price Each
3	13.7	ATV 28HU54M2	£469.00
4	17.5	ATV 28HU72M2	£520.00
5.5	27.5	ATV 28HU90M2	£POA
7.5	33	ATV 28HD12M2	£780.00

Three Phase 380 - 500VAC

Rating kW	Amps	Part No.	Price Each
0.75	2.3	ATV 28HU18N4	£240.00
1.5	4.1	ATV 28HU29N4	£280.00
2.2	5.5	ATV 28HU41N4	£399.00
3	7.1	ATV 28HU54N4	£469.00
4	9.5	ATV 28HU72N4	£520.00
5.5	14.3	ATV 28HU90N4	£590.00
7.5	17	ATV 28HD12N4	£780.00
11	27.7	ATV 28HD16N4	£930.00
15	33	ATV 28HD23N4	£1,230.00

Motor Starter Drive IP55

Single Phase 200 - 240VAC

Rating kW	Amps	Part No.	Price Each
0.37	3.3	ATV 28EU09M2	£290.00
0.75	4.8	ATV 28EU18M2	£325.00
1.5	7.8	ATV 28EU29M2	£399.00
2.2	11	ATV 28EU41M2	£440.00

Three Phase 200 - 240VAC

Rating kW	Amps	Part No.	Price Each
3	13.7	ATV 28EU54M2	£499.00
4	17.5	ATV 28EU72M2	£560.00

Three Phase 380 - 500VAC

Rating kW	Amps	Part No.	Price Each
0.75	2.3	ATV 28EU18N4	£420.00
1.5	4.1	ATV 28EU29N4	£480.00
2.2	5.5	ATV 28EU41N4	£540.00
3	7.1	ATV 28EU54N4	£630.00
4	9.5	ATV 28EU72N4	£69900

Accessories

Description	Part No.	Price Each
Software, CD-Rom	VW3 A8104	£120.00
PC Connection Kit, enabling connection to other speed controllers	VW3 A8106	£25.00
Local Control Option, reference potentiometer, 2 control buttons	VW3 A28100	£7.00
Remote display module	VW3 A28101	£60.00
RS 485 Connection Kit	VW3 A28301	£9.00



Contact your local sales office for other products in this range and for confirmation of price.

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Altivar 58

The Altivar 58 has been developed as a high performance drive with all the features and functionality expected from third generation sensorless flux vector control.

- Superb dynamic response and a wide speed range.
- Exceptional "motor brake" capacity in the motor generator quadrant.
- Switchable frequency from 2 to 16KHz.
- Output frequency range from 0.1 to 500Hz.
- Powerful braking (up to 100% continuously).
- Auto-tuning of motors for easy commissioning.
- Energy-saving function for improved motor efficiency.
- Included in the product are a number of control system functions - PI control, DC injection, preset speeds etc.
- I²t thermal motor and drive protection.
- Short circuit protection.
- Fitted with heatsink and EMC filters.

Standard IP21 version

Three Phase 380 - 500VAC

Ratings				Inverter Part No.	Price Each
Constant kW	Torque Amps	Var. Torque kW	Torque Amps		
0.75	2.3	-	-	ATV 58HU18N4	£336.00
1.5	4.1	-	-	ATV 58HU29N4	£425.00
2.2	5.8	-	-	ATV 58HU41N4	£509.00
3	7.8	-	-	ATV 58HU54N4	£599.00
4	10.5	-	-	ATV 58HU72N4	£634.00
5.5	13.0	-	-	ATV 58HU90N4	£761.00
7.5	17.6	-	-	ATV 58HD12N4	£1,005.00
11	24.2	-	-	ATV 58HD16N4	£1,185.00
15	33	-	-	ATV 58HD23N4	£1,575.00
18.5	44	22	44	ATV 58HD28N4	£2,122.00
22	48	30	60	ATV 58HD33N4	£2,354.00
30	66	37	72	ATV 58HD46N4	£2,865.00
37	79	45	85	ATV 58HD54N4	£3,438.00
45	94	55	105	ATV 58HD64N4	£4,034.00
55	116	75	138	ATV 58HD79N4	£4,723.00

Motor Starter Drive IP55

Three Phase 380 - 500VAC

Ratings				Inverter Part No.	Price Each
Constant kW	Torque Amps	Var. Torque kW	Torque Amps		
0.75	2.3	-	-	ATV 58EU18N4	£523.00
1.5	4.1	-	-	ATV 58EU29N4	£596.00
2.2	5.8	-	-	ATV 58EU41N4	£670.00
3	7.8	-	-	ATV 58EU54N4	£787.00
4	10.5	-	-	ATV 58EU72N4	£873.00
5.5	13.0	-	-	ATV 58EU90N4	£1,095.00
7.5	17.6	-	-	ATV 58ED12N4	£1,360.00
11	24.2	-	-	ATV 58ED16N4	£1,752.00
15	33	-	-	ATV 58ED23N4	£2,215.00
18.5	41	22	44	ATV 58ED28N4	£2,719.00
22	48	30	60	ATV 58ED33N4	£3,020.00
30	66	37	72	ATV 58ED46N4	£3,672.00
37	79	45	85	ATV 58ED54N4	£4,415.00
45	94	55	105	ATV 58ED64N4	£4,960.00
55	116	75	138	ATV 58ED79N4	£5,792.00

Accessories

Description	Part No.	Price Each
Operator terminal	VW3 A58101	£30.00
Kit for remote operation of operator terminal	VW3 A58103	£25.00
Programming terminal with cable	VW3 A58102L1	£125.00
Motor starter software workshop	VW3 A8104	£120.00
PC connection kit	VW3 A8106	£25.00
RS485 connection kit	VW3 A58306	£30.00



Altivar 08

The motor starter solution is a self-contained drive with isolation, stop-start, forward/reverse and speed control capability, built into a standard off the shelf product. As the product also has a high ingress protection level (IP67) it is an ideal solution for the replacement of traditional motor starting solutions where the need for speed control or mechanical soft start is now a requirement.

Motor Starter Drive IP67

Single Phase 200 - 240VAC

Rating		Part No.	Price Each
kW	Amps		
0.18	3.3	ATV 08EU05M2	£175.00
0.37	4.8	ATV 08EU09M2	£185.00
0.75	7.8	ATV 08EU18M2	£195.00





Optidrive

AC Drives from 0.37kW to 90kW

- 40 parameter sets for optimised set up
- Programmable on the drive or via Optiwand and Optistore
- 3 digital inputs - all programmable
- 1 analogue input selectable for V or A.
- 1 analogue output programmable
- 1 relay - programmable
- 4 pre-set speeds
- Auto restart
- Skip frequencies
- Constant torque or pump / fan set-up
- Spinning start
- Silent running in 32kHz mode
- Mains dip ride through

Single/Three Phase 200V

Power kW	Size	Part No.	Price Each
0.37	1	OD 120037 MEL	£126.00
0.75	1	OD 120075 MEL	£166.00
1.5	1	OD 120150 MEL	£208.00
1.5	2	OD 220150 MEL	£239.00
2.2	2	OD 220220 MEL	£260.00

Three Phase 400V

Ratings				
Constant Torque kW	Var. Torque kW	Size	Part No.	Price Each
0.75	-	1	OD 140075 MEL	£248.00
1.5	-	1	OD 140150 MEL	£302.00
0.75	-	2	OD 240075 MEL	£280.00
1.5	-	2	OD 240150 MEL	£345.00
2.2	-	2	OD 240220 MEL	£366.00
4.0	-	2	OD 240400 MEL	£452.00
5.5	7.5	3	OD 340550 MEL	£593.00
7.5	11.0	3	OD 340750 MEL	£808.00
11.0	15.0	3	OD 341100 MEL	£948.00
15.0	-	3	OD 341500 MEL	£1239.00
18.5	22.0	4	OD 441850 MEL	£1724.00
22.0	30.0	4	OD 442200 MEL	£1939.00
30.0	37.0	4	OD 443000 MEL	£2262.00
37.0	45.0	4	OD 443700 MEL	£2618.00
45.0	55.0	5	OD 544500 MEL	£4040.00
55.0	75.0	5	OD 545500 MEL	£4579.00
75.0	90.0	5	OD 547500 MEL	£5117.00
90.0	-	5	OD 549000 MEL	£5818.00

Accessories

Description	Size	Part No.	Price Each
Evaluation Kit: Optidrive, Optiwand, Optimouse, Optistore		OD EVALK MEL	£350.00
Optiwand Kit: Optidrive, Optimouse, Optistore		OD OWKIT MEL	£230.00
Optiwand		OD OWAND MEL	£123.00
Braking Resistor	2/3	OD BRES2 MEL	£65.00
	4	OD BRES4 MEL	£319.00
PI Control Card		OD PICON MEL	£84.00
Dual Analogue Input		OD 2ANIN MEL	£84.00
Dual Relay Output		OD 2ROUT MEL	£84.00

Filters

Voltage	Description	Size	Part No.	Price Each
200	Single Phase	1	OD F121 MEL	£56.00
	Single Phase	2	OD F221 MEL	£79.00
400	Three Phase	1	OD F143 MEL	£77.00
	Three Phase	2	OD F243 MEL	£91.00
	Three Phase	2	OD F343 MEL	£121.00

Contact your local sales office for other products in this range and for confirmation of price.

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OMRON



UE Series

Simple functionality servo system

- Compact design.
- Superb cost performance.
- Simple set up via just 10 parameters.
- Plug-on operator panel.
- Full monitor and alarm functions.
- Superior alternative to stepper systems.

AC Servo Motors

Type	Rating W	Torque Ratings Nm	Part No.	Price Each
Without Brake	100	0.318	R88M UE10030V S1	£229.00
	200	0.367	R88M UE20030V S1	£269.00
	400	1.27	R88M UE40030V S1	£336.00
	750	2.39	R88M UE75030V S1	£428.00
With Brake	100	0.318	R88M UE10030V BS1	£397.00
	200	0.367	R88M UE20030V BS1	£456.00
	400	1.27	R88M UE40030V BS1	£524.00
	750	2.39	R88M UE75030V BS1	£644.00

AC Servo Drivers (pulse)

Type	Rating W	Part No.	Price Each
240VAC	100	R88D UEP04V	£469.00
	200	R88D UEP08V	£485.00
	400	R88D UEP12V	£513.00
	750	R88D UEP20V	£579.00

Parameter Units

Description	Part No.	Price Each
Hand held with 1m cable	R88A PR02U	£143.00
Direct mounting	R88A PR03U	£118.00

Accessories

Cables

Type	Length (m)	Price Part No.	Each
Servo Without Brake	3	R88A CAU003S	£32.00
	5	R88A CAU005S	£36.00
	10	R88A CAU010S	£52.00
	15	R88A CAU015S	£69.00
	20	R88A CAU020S	£84.00
Servo With Brake	3	R88A CAU003B	£36.00
	5	R88A CAU005B	£46.00
	10	R88A CAU010B	£66.00
	15	R88A CAU015B	£95.00
	20	R88A CAU020B	£116.00
Servo Control Cable	1	R88A CPU001S	£62.00
	2	R88A CPU002S	£68.00
Servo Encoder Cable	3	R88A CRUD003C	£52.00
	5	R88A CRUD005C	£60.00
	10	R88A CRUD010C	£78.00
	15	R88A CRUD015C	£103.00
	20	R88A CRUD020C	£123.00

RFI Filters

Rating	Part No.	Price Each
5A (30 - 200W units)	R88A FIU 105E	£20.00
10A (400W unit)	R88A FIU 110E	£24.00
115A (750W unit)	R88A FIU 115E	£28.00

Regeneration Unit

Description	Part No.	Price Each
Servo regeneration unit, processing current 8A DC	R88A RG08UA	£276.00



W motor



W series 3 phase

W Series

Functional stand alone servo drive.

- Three Phase 400VAC versions.
- Automatic on-line tuning.
- Automatic motor recognition.
- In-built operator.
- Improved Response.
- CE, UL and cUL compliant.

AC Servo Motors

Type	Rating W	Part No.	Price Each
Without Brake	30	R88M W03030H S1 D	£469.00
	50	R88M W05030H S1 D	£478.00
	100	R88M W10030H S1 D	£490.00
	200	R88M W20030H S1 D	£529.00
	400	R88M W40030H S1 D	£600.00
With Brake	750	R88M W75030H S1 D	£679.00
	30	R88M W03030H BS1 D	£632.00
	50	R88M W05030H BS1 D	£645.00
	100	R88M W10030H BS1 D	£657.00
	200	R88M W20030H BS1 D	£690.00
	400	R88M W40030H BS1 D	£778.00
	750	R88M W75030H BS1 D	£856.00

AC Servo Drivers Single Phase (pulse/analogue input)

Type	Rating W	Part No.	Price Each
240VAC	30	R88D WTA3H	£599.00
	50	R88D WTA5H	£612.00
	100	R88D WT01H	£624.00
	200	R88D WT02H	£725.00
	400	R88D WT04H	£751.00
	750	R88D WT08HH	£840.00



Soft Starter

- Designed to provide soft-start for single phase AC motors with nominal loads up to 25 Amps
- True Solid State for long life
- Adjustments: Starting torque 0-85%
Ramp up 0.5-5 sec
Ramp down 0.5-5 sec

Single Phase

Description	Part No.	Price Each
15 Amp single phase Din rail mounting	STL4015	£120.00
25 Amp single phase Din rail mounting	STL4025	£140.00
Enclosed Units (IP65)		
15 Amp single phase Din rail mounting	ENSTL4015	£140.00
25 Amp single phase Din rail mounting	ENSTL4025	£165.00



Microstart

- Designed to provide soft-start for 3 phase AC motors with nominal loads up to 25 Amps
- Adjustments: Starting torque 0-85%
Ramp up 0.5-5 sec
Ramp down 0.5-5 sec

Technical Data

Mains Voltage	230/400V 50/60Hz
Control Voltage	24-110V AC/DC or 110-480V AC
Indication	Supply on Ramp up and Ramp down Running

Three Phase

kW @ 400V	Current Amps	Part No.	Price Each
5.5Kw	12	SAF4012	£120.00
11Kw	25	SAF4025	£155.00
Enclosed Units (IP65)			
5.5Kw	12	ENSAF4012	£140.00
11Kw	25	ENSAF4025	£180.00



Amp Ramp

- A simple cost effective soft-start for motors up to 110kW. Unlike conventional soft-starts which are voltage controlled, the Amp Ramp operates by continually monitoring and controlling the motor current, and hence torque, during start-up
- Adjustments: Pedestal up - Sets initial current hence torque - Adjustable from 50-500% FLC
Ramp up - Sets desired acceleration time for motor - Adjustable from 1-30 sec
Current limit - Holds current ramp once preset level is reached - Adjustable from 100-500% FLC

Technical Data

Mains Voltage	380/415V 3 phase 50Hz
Control Voltage	Not required
Starts/Hour	12 per hour evenly spaced
Overload Ratings	100% continuous
(at up to 40°C ambient)	300% for 30 seconds
	500% for 5 seconds
Indications:	Ready to run Current ramping Current limit Motor at full speed
Outputs:	Run Top of Ramp (for by-pass contactor)

Three Phase

kW @ 400V	Current Amps	Part No.	Price
7.5	16	210SA 7.5	£400.00
11	25	210SA 11	£400.00
15	30	210SA 15	£400.00
22	45	210SA 22	£500.00
30	60	210SA 30	£613.00
37	75	210SA 37	£717.00
45	85	210SA 45	£785.00
63	120	210SA 63	£869.00
75	145	210SA 75	£1,012.00
90	170	210SA 90	£1,242.00
110	205	210SA 110	£1,392.00



LH4 Range

- A choice of either soft start or soft start with soft stop.
- Single phase or three phase operation available for start modules.
- DIN rail or panel mounting.
- Once the control parameters have been set, access to them can be restricted by locking or sealing the protective front cover

Soft Start 208 - 240VAC

Single Phase		Three Phase		Part No.	Price Each
kW	A	kW	A		
0.75	6	1.1	6	LH4 N106LU7	£110.00
1.5	12	2.2	12	LH4 N112LU7	£127.00
3	25	5.5	25	LH4 N125LU7	£147.00

Soft Start Three Phase 380 - 415VAC

Rating		Part No.	Price Each
kW	A		
3	6	LH4 N106QN7	£110.00
5.5	12	LH4 N112QN7	£127.00
11	25	LH4 N125QN7	£147.00

Soft Start with Soft Stop Three Phase 208 - 240VAC

Rating		Part No.	Price Each
kW	A		
1.1	6	LH4 N206LU7	£120.00

Soft Start with Soft Stop Three Phase 380 - 415VAC

Rating		Part No.	Price Each
kW	A		
3	6	LH4 N206QN7	£120.00
5.5	12	LH4 N212QN7	£165.00
11	25	LH4 N225QN7	£205.00

OMRON



E6A2

E6A2 Series

- Incremental miniature rotary encoder ideal for limited space installations.
- Small operating torque ideal for small and high density equipment
- Zero index function for positioning applications available.

E6A2

Resolutions	Output Phase	Output Form	Supply Voltage	Part No.	Price Each
100	"A, B"	Open Collector	5 - 12 VDC	E6A2 CW3C 100 0,5M	£116.99
200	"A, B"	Open Collector	5 - 12 VDC	E6A2 CW3C 200 0,5M	£116.99
100	"A, B"	Open Collector	12 - 24 VDC	E6A2 CW5C 100 0,5M	£101.43
200	"A, B"	Open Collector	12 - 24 VDC	E6A2 CW5C 200 0,5M	£101.43
100	"A, B, Z"	Open Collector	5 - 12 VDC	E6A2 CWZ3C 100 0,5M	£116.53
200	"A, B, Z"	Open Collector	5 - 12 VDC	E6A2 CWZ3E 100 0,5M	£105.89

E6C2 Series

- Incremental general purpose encoder with robust design.
- Ideal for Industrial applications.
- Oil-proof construction with excellent vibration and shock resistance.

E6C2-C

Resolutions	Output Phase	Output Form	Supply Voltage	Part No.	Price Each
10	"A, B, Z"	Open Collector	5 - 24 VDC	E6C2 CWZ6C 10	£178.42
20	"A, B, Z"	Open Collector	5 - 24 VDC	E6C2 CWZ6C 20	£178.42
60	"A, B, Z"	Open Collector	5 - 24 VDC	E6C2 CWZ6C 60	£178.42
100	"A, B, Z"	Open Collector	5 - 24 VDC	E6C2 CWZ6C 100	£178.42
200	"A, B, Z"	Open Collector	5 - 24 VDC	E6C2 CWZ6C 200	£178.42
360	"A, B, Z"	Open Collector	5 - 24 VDC	E6C2 CWZ6C 360	£178.42
500	"A, B, Z"	Open Collector	5 - 24 VDC	E6C2 CWZ6C 500	£178.42
600	"A, B, Z"	Open Collector	5 - 24 VDC	E6C2 CWZ6C 600	£178.42
1000	"A, B, Z"	Open Collector	5 - 24 VDC	E6C2 CWZ6C 1000	£209.00

Accessories

Description	Part No.	Price Each
Shaft coupling for E6C(P) encoder	E69 C06B	£9.04
Flange for E6C2-2 encoder	E69 FCA	£4.92

E6C2-A Series

- Heavy duty absolute rotary encoders
- Suitable for connection to H8PS.
- IP 64.
- Robust construction for rugged environments.

E6C2-A

Resolutions	Output Phase	Output Form	Supply Voltage	Part No.	Price Each
360	Gray Code	Open Collector	5 - 12 VDC	E6C2 AG5C 360	£252.35

Accessories

Description	Part No.	Price Each
Shaft Coupling for E6Cs-A encoder	E69 C08B	£14.11
Extension Cables	5m for E6C2-A/E6CP/E6F encoders	E69 DF5 £80.29
	10m for E6C2-A/E6CP/E6F encoders	E69 DF10 £140.83

E6CP-AG5C Series

- General purpose positioning absolute encoder
- Gray code binary output offers direct connection to OMRON H8PR and H8PS cam positioner.
- BCD output
- 8 bit resolution.

E6CP-AG5C

Resolutions	Output Phase	Output Form	Supply Voltage	Part No.	Price Each
256	Gray Code	Open Collector	12 - 24 VDC	E6CP AG5C 256	£138.15
256	Gray Code	Open Collector	12 - 24 VDC	E6CP AG5C C 256	£138.15

Accessories

Description	Part No.	Price Each
Shaft Coupling for E6C(P) encoder	E69 C06B	£9.04
Extension Cables	5m for E6C2-A/E6CP/E6F encoders	E69 DF5 £80.29
	10m for E6C2-A/E6CP/E6F encoders	E69 DF10 £140.83



E6CP-AG5C



E6F

E6F Series

- Robust absolute encoder
- Direct connection to high speed counter and position control modules for PLC's.
- Gray code binary model offers direct connection to the OMRON H8PS cam positioner.
- BCD output
- 10 bit resolution.

E6F

Resolutions	Output Phase	Output Form	Supply Voltage	Part No.	Price Each
360	BCD	Open Collector	5 - 12 VDC	E6F AB3C C	£308.77
256	Gray Code	Open Collector	12 - 24 VDC	E6F AG5C C 256	£308.77

Accessories

Description	Part No.	Price Each
Shaft Coupling for E6F encoder	E69 C10B	£11.73
Extension Cables	5m for E6C2-A/E6CP/E6F encoders	E69 DF5 £80.29
	10m for E6C2-A/E6CP/E6F encoders	E69 DF10 £140.83



Rotary Positioners

H8PS

- A functional rotary positioner
- Easy replacement of mechanical CAM switches
- Easy setting single function keys
- Bright LCD backlit display
- Simple connection to dedicated plug-in encoder

H8PS Series

Output Configuration	No. of Outputs	Mounting Method	Supply Voltage	Part No.	Price Each
NPN Transistor	8	Flush	24 VDC	H8PS 8B	£379.75
PNP Transistor	8	Flush	24 VDC	H8PS 8BP	£379.75
NPN Transistor	8	DIN Rail/Surface	24 VDC	H8PS 8BF	£379.75
PNP Transistor	8	DIN Rail/Surface	24 VDC	H8PS 8BFP	£379.75

Accessories

Description	Part No.	Price Each
Protective cover	Y92A96B	£6.62
DIN Rail mounting base	Y92F91	£14.09
Adaptor for parallel operation	Y92C30	£140.72
E6C-P absolute encoder	E6F AB3C C	£308.77



H8PR

- Functional rotary positioner which replaces mechanical cam box with no wear solid state technology
- Up to 24 programmable output points
- Each point can be programmed in increments down to 1 deg of rotation to turn on and off up to 10 times for each revolution of the encoder, giving up to 240 output signals
- Built-in battery backs up memory for up to 10 years, in case of power failure.
- Must be used with E6F Absolute type rotary encoder

H8PR Series

Output Configuration	No. of Outputs	Supply Voltage	Part No.	Price Each
NPN Transistor	16	100-240 vac 50/60 Hz	H8PR 16	£627.87
PNP Transistor	16	100-240 vac 50/60 Hz	H8PR 16P	£673.89
NPN Transistor	24	100-240 vac 50/60 Hz	H8PR 24	£702.09
PNP Transistor	24	100-240 vac 50/60 Hz	H8PR 24P	£830.00